

**ABSTRACT OF THE INVENTION**

The aim of the invention is to produce a thin porous layer, with a defined porosity and also, a high strength. Said aim is achieved, whereby such a layer with open porosity is produced from a mixture, comprising a sinterable powder with a predetermined powder particle size distribution. The sintered layer is of a thickness, which corresponds to about triple the average diameter of the powder particles employed, has a pore diameter in the range from 0.01 to 50  $\mu\text{m}$  and a tensile strength of in a range from about 5 to 500  $\text{N/mm}^2$ . The invention further relates to a method for the production of said thin porous layer with open porosity.